

What is claimed is:

1 1. A method of performing a trick mode on a video signal, comprising the
2 steps of:

3 receiving a trick mode command;

4 in response to the trick mode command, repeating a picture in the video
5 signal to form a trick mode video signal, wherein the picture contains a display

6 indicator;

7 setting the display indicator of the picture being repeated to a predetermined
8 value; and

9 setting the display indicators of subsequent repeated pictures of the picture
10 being repeated to the predetermined value.

1 2. The method according to claim 1, comprising the step of executing a
2 freeze trick mode.

1 3. The method according to claim 1, comprising the step of repeating a
2 bidirectional predictive picture.

1 4. The method according to claim 1, comprising the step of setting the
2 display indicator as a temporal reference field having an integer value.

1 5. The method according to claim 1, further comprising the step of
2 transmitting at least a first reference picture and a second reference picture to
3 predict the picture to be repeated, wherein each reference picture contains a display
4 indicator.

1 6. The method according to claim 5, further comprising the steps of:
2 setting the display indicator of the first reference picture to a predetermined
3 value such that the predetermined value of the display indicator of the first reference
4 picture is lower than the predetermined value of the display indicator of the picture
5 being repeatedly displayed during the trick mode; and

6 setting the display indicator of the second reference picture to a
7 predetermined value such that the predetermined value of the display indicator of the
8 second reference picture is greater than the predetermined value of the display
9 indicator of the picture being repeatedly displayed during the trick mode.

1 7. The method according to claim 6, comprising the step of setting each
2 of the display indicators as temporal reference fields having integer values; and,
3 wherein said step of setting the display indicator of the second reference picture
4 further comprises the step of setting the integer value of the temporal reference field
5 of the second reference picture an integer value higher than the integer value of the
6 temporal reference field of the picture being repeatedly displayed during the trick
7 mode to maintain a proper display order.

8. The method according to claim 1, further comprising the step of decoding at least a portion of the trick mode video signal at a remote location.

9. A method of performing a trick mode on a video signal, comprising the steps of:

receiving a freeze trick mode command;

in response to the freeze trick mode command, repeating a bidirectional predictive picture in the video signal to form a trick mode video signal, wherein the bidirectional predictive picture contains a display indicator;

setting the display indicator of the bidirectional predictive picture being repeated to a predetermined value; and

setting the display indicators of subsequent repeated bidirectional predictive pictures of the bidirectional predictive picture being repeated to the predetermined value.

10. The method according to claim 9, comprising the steps of implementing the receiving, repeating and both setting steps at a first location and decoding at least a portion of the trick mode video signal at a second location.

11. A system for performing a trick mode on a video signal, comprising:
a controller for reading data from a storage medium and outputting the video signal; and
a processor programmed to:

5 receive a trick mode command;
6 in response to the trick mode command, repeat a picture in the video
7 signal to form a trick mode video signal, wherein the picture contains a display
8 indicator;
9 set the display indicator of the picture being repeated to a
10 predetermined value; and
11 set the display indicators of subsequent repeated pictures of the picture
12 being repeated to the predetermined value.

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12 12. The system according to claim 11, wherein the trick mode is a freeze
13 trick mode.

13 13. The system according to claim 11, wherein the picture to be repeated
14 is a bidirectional predictive picture.

1 14. The system according to claim 11, wherein the display indicator is a
2 temporal reference field having an integer value.

1 15. The system according to claim 11, wherein the processor is further
2 programmed to transmit at least a first reference picture and a second reference
3 picture to predict the picture to be repeated, wherein each reference picture contains
4 a display indicator.

1 16. The system according to claim 15, wherein the processor is further
2 programmed to:

3 set the display indicator of the first reference picture to a predetermined value
4 such that the predetermined value of the display indicator of the first reference
5 picture is lower than the predetermined value of the display indicator of the picture
6 being repeatedly displayed during the trick mode; and

7 set the display indicator of the second reference picture to a predetermined
8 value such that the predetermined value of the display indicator of the second
9 reference picture is greater than the predetermined value of the display indicator of
10 the picture being repeatedly displayed during the trick mode.

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12 17. The system according to claim 16, wherein each of the display
13 indicators are temporal reference fields having integer values and the processor is
14 further programmed to perform the step of setting the display indicator of the second
15 reference picture by setting the integer value of the temporal reference field of the
16 second reference picture an integer value higher than the integer value of the
temporal reference field of the picture being repeatedly displayed during the trick

7 mode to maintain a proper display order.

1 18. The system according to claim 11, wherein at least a portion of the trick
2 mode video signal is decoded by a remote decoder.

1 19. A system for performing a trick mode on a video signal, comprising:
2 a controller for reading data from a storage medium and outputting the video
3 signal; and

4 a processor programmed to:

5 receive a freeze trick mode command;

6 in response to the freeze trick mode command, repeat a bidirectional
7 predictive picture in the video signal to form a trick mode video signal, wherein the
8 picture contains a display indicator;

9 set the display indicator of the bidirectional predictive picture being
10 repeated to a predetermined value; and

11 set the display indicators of subsequent repeated bidirectional
12 predictive pictures of the bidirectional predictive picture being repeated to the
13 predetermined value.

1 20. The system according to claim 19, further comprising a remote decoder
2 for decoding at least a portion of the trick mode video signal.